

THE ULTIMATE
IN FINE
FLUSH DOORS
FINISHED
THE *Natural*
MICROSEAL WAY



GENERAL FLUSH DOORS



GENERAL FLUSH DOORS

General's SUPER SATIN SURFACE flush doors are surface sealed by the patented Super Microseal process, a new method which has revolutionized wood finishing techniques. Briefly stated, the process – through intense frictional heat and pressure – softens and flows the wood's natural adhesive . . . lignin . . . uniting it with a penetrating additive to seal the wood's surface. Simultaneously a chemical reaction occurs between the gases evolved from the additive that strike into the wood structure and combine with the sub-surface lignin. This stabilizes the basic wood structure.

The surface is beautiful, brilliant and durable, reflecting in depth the wood's natural grain pattern.

The treated surfaces of General's doors are permanently set in a depth normally extending through the decorative face ply . . . it's *in* the wood and is not a film or overlay. Accidental surface damage can be readily remedied by a light application of 3/0 steel wool to the affected area. Grain and fiber raising are eliminated and variations in surface textures are made uniform.

Such costly steps as on-the-job sanding and sealing are **eliminated**. Additional finishing steps are substantially reduced. Think of the tremendous savings in finishing costs!

Exclusive Construction Features

Every GENERAL flush door bespeaks its own quality in its appearance and is guaranteed by General Plywood Corporation against any defects of material or workmanship. GENERAL'S seven-ply construction, provides 2 balanced panels for maximum dimensional stability and full utilization of the stressed skin principle developed and used by the aircraft industry. Seven-ply construction also gives the door two extra glue lines which are stronger than wood itself and provides extra barriers against moisture penetration.

All GENERAL doors are hot-plate pressed and manufactured under the most careful controls, providing a permanent bond which equals and exceeds commercial plywood standards.

"Super Satin Surface" and "Triple S" or "SSS" are trademarks owned by GPC (General Plywood Corporation) and used by GPC and Licensees on products having a Super sealed or Super Micro-sealed surface that satisfies the quality standards established by GPC.

RIFT SLICED WHITE OAK

AFRICAN MAHOGANY

SELECT RED GUM

NATURAL BIRCH

SELECT WHITE BIRCH

ROTARY CUT LAUAN

ROTARY CUT RED OAK

PLAIN SLICED WHITE OAK

SELECT WHITE GUM

SELECT RED BIRCH

NATURAL GUM

PLAIN SLICED RED OAK

AMERICAN WALNUT

INSTITUTIONAL HOLLOW CORE FLUSH DOORS



For institutional or commercial use. Designed to combine the economy of hollow core construction with extra heavy stiles, rails and center rail. Extra heavy frame construction accommodates virtually all types of institutional hardware. Ideal for Schools, Hotels, Hospitals and Institutions.

10-INCH RAILS TOP AND BOTTOM: Ample anchoring space for heavy door closers, kick plates and other top and bottom hardware. Added stability plus reversibility — eliminates chances of hanging error.

TWO 40-INCH LOCK BLOCKS: Three-inch-wide lock blocks, combined with three-inch stiles, provide six inches of width over forty inches of length on both sides of door frame — ample lock block area and no chance of hanging error.

EXTRA CENTER CROSS RAIL: Centered, three-inch cross rail on 6'8" door and six-inch rail on 7' door allow for easy installation of panic bars and other special hardware.

COLUMN-CORE CONSTRUCTION: Cylindrical fibre columns — strongest light weight structural form known — are used to insure combined lightness and strength.

3-PLY BALANCED PANELS: Balanced panels assure utmost rigidity and resistance to warpage. Each panel, on the back, carries a complete film of resin which prevents moisture penetration and maintains balance after doors are finished.

HOT PLATE PRESSED: Hot plate pressing under extreme pressures drive glues deep into panels, cores and frame, gives absolute assurance of a permanent bond.

SPECIFICATIONS

Doors shall be flush type, hollow core, veneered wood doors as manufactured by General Plywood Corporation. Construction of the doors shall be as follows:

Rails for top and bottom shall be 10" wide.

Stiles for each side shall be 3" wide.

Lock-blocks shall be 3" wide by 40" long centered in each side of door.

Center rail shall be 3" wide, centered in 6'8" door and 6" wide centered in 7' door.

Cores shall consist of rigid fibre hollow cylindrical columns 3" in diameter, spaced to give uniform support and maximum strength to door faces.

Glue shall comply with U. S. Commercial Standard CS 171-58 Type I waterproof boil test bond or Type II water resistant bond.

Plywood faces shall be built up of 3 plies of veneer with the center ply crossbanded at 90° to outside plies, bonded together by hot-plate press method. Plywood faces shall be belt sanded to produce a smooth surface. Doors shall be guaranteed in accordance with the National Woodwork Manufacturers Association standard door guarantee.

SPECIFY SUPER SATIN SURFACE FLUSH DOORS

STANDARD HOLLOW CORE FLUSH DOORS

Ideal for fine homes, cottages, multiple dwelling units and institutions where lightness, beauty and practical economy are first considerations.

SPECIFICATIONS

All hollow core doors shall be flush type veneered doors, of 3-ply faces, bonded under heat and pressure by the hot-plate press method, as manufactured by the General Plywood Corporation. The two faces shall be bonded to cylindrical fibre cores 3" in diameter and spaced to provide core to face bonding within 1½" spacing. Rails 2½" in width top and bottom. Stiles for each side 1¾" in width.

Glue bonds shall conform with CS 171-58.

Doors shall be guaranteed in accordance with the National

Woodwork Manufacturers Association standard door guarantee.

COLUMN CORE CONSTRUCTION: Cylindrical fibre columns — strongest lightweight structural form known — are used to insure combined lightness and strength.

TWO LOCK BLOCKS: Each door shall have two lock blocks, 3" in width and 20" long on doors of 6'8" in length or under, and 24" long on 7' doors and over. The wide lock blocks on both sides provide ample space for lockset — eliminates possibility of handling error.

3-PLY BALANCED PANELS: Balanced panels assure utmost rigidity and resistance to warpage. Each panel, on the back, carries a complete film of resin which prevents moisture penetration and maintains balance after doors are finished.

SPECIFY SUPER SATIN SURFACE FLUSH DOORS



SOLID CORE FLUSH DOORS



For heavy duty institutional, commercial and residential service. Designed for installation in schools, hospitals, hotels and institutions where maximum strength and durability is required. Offers resistance to fire, sound, and extreme abuse.

MATCHING EDGE BANDS: Three-quarter inch matching hardwood edge bands on both vertical edges provide ample trim area.

EDGE-GLUED CORE BLOCKS: Three dimensional stability is obtained through the use of core blocks of varying length, edge-glued to each other in a staggered pattern, and to the frame, under extreme heat and pressure.

SEVEN-PLY CONSTRUCTION: Absolute flatness of surface is incurred through the use of heavy 3-ply panels bonded to rigid edge-grain blocks that have been selected for uniformity, and dried evenly.

SPECIFICATIONS

All solid core doors shall be flush type, veneered doors, of

3-ply faces, bonded under heat and pressure by the hot-plate press method, as manufactured by the General Plywood Corporation. The two faces shall be bonded to the core which shall consist of rigid edge-grain blocks of Ponderosa Pine or other Conifers, of varying lengths, glued to each other in a staggered pattern to provide true dimensional stability. No core shall contain more than one specie of wood.

Doors shall be railed top and bottom with softwood 2¾" wide and edge-glued to core. Vertical edges to be banded with ¾" hardwood edge strips to match face veneer, edge-glued to core.

Glue shall comply with U. S. Commercial Standard CS 171-58 Type I waterproof boil test bond or Type II water resistant bond.

Doors shall be guaranteed in accordance with the National Woodwork Manufacturers Association standard door guarantee.

SPECIFY SUPER SATIN SURFACE FLUSH DOORS

Finishing Instructions

IMPORTANT: Do not sand General SSS doors. Do not seal the face veneers, only the edges. Do not use pigmented or water-soluble stains. Wipe all surfaces clean with cloth.

Interior Finishes*

Clear Natural Finish: Apply one or more coats of clear finish or wax depending on the surface build desired.

Stain Finish: Apply alcohol-soluble, wax or oil stain evenly on the surface and wipe off with cloth. Allow somewhat longer surface drying time than ordinary when finishing a conventionally sanded surface. Apply top coat of your choice. When oil or alcohol stains are used, lacquer, varnish or some other hard top coat should be applied. When wax stain is used, apply top coat of clear paste wax and buff after drying.

Paint or Enamel: Apply one or two coats to suit your requirements. For open-grained woods, apply split coat (half undercoat and half enamel or paint.) Then apply final coat of paint or enamel.

Color Toning Finish: Apply colored wax, dry and buff.

Exterior Finishes*

Clear Natural Finish: Apply one coat spar varnish thin (one pint pure turpentine to one gallon spar varnish). Then apply second coat full-strength spar varnish.

Stain Finish: Apply oil stain. Then finish as shown above.

Paint or Enamel: Apply split coat (half undercoat, half exterior paint or enamel). Then apply second coat of exterior paint.

Color Toning Finish: Apply color toner. Allow to dry. Then follow with two coats as shown under "Clear Natural Finish."

*NOTE: When finishing open-grained woods such as lauan, walnut, oak, etc., a filler may be used if desired for a custom finish. Then apply finish coats as shown above.

SIZES AND WEIGHTS

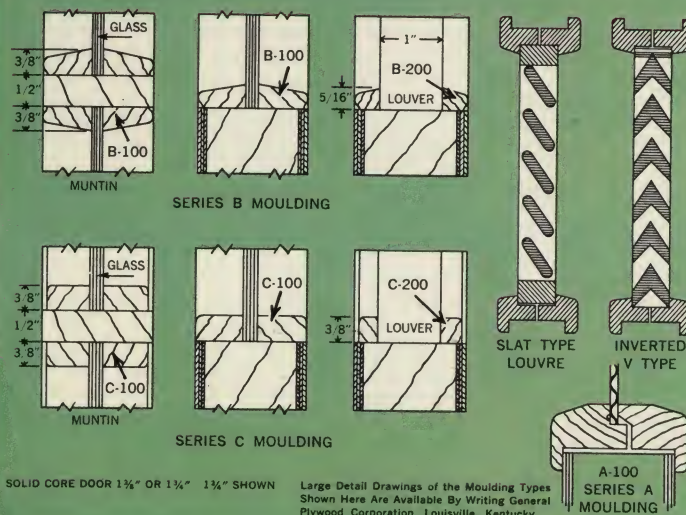
DOOR SIZES	STANDARD HOLLOW CORE								INSTITUTIONAL HOLLOW CORE		SOLID CORE	
	1 1/4" THICKNESS				1 1/2" THICKNESS				1 1/2" THICKNESS		1 1/2" THICKNESS	
	6/0	6/6	6/8	7/0	6/0	6/6	6/8	7/0	6/8	7/0	6/8	7/0
1/6	14	15	16	17	17	19	19	20	23	25	43	45
1/8	15	16	17	18	19	21	21	22	26	28	47	50
1/10	17	18	19	20	21	23	23	24	29	30	52	55
2/0	19	20	21	22	23	25	25	27	32	33	57	60
2/2	20	21	22	23	25	27	27	29	34	36	61	65
2/4	22	23	24	25	27	29	29	31	37	38	66	70
2/6	24	25	26	27	29	31	32	33	39	41	71	75
2/8	25	27	28	29	31	33	34	36	42	44	76	80
2/10	27	28	29	31	33	35	36	38	44	47	80	85
3/0	28	30	31	33	35	37	38	40	47	49	85	90
3/2							40	42	50	52	90	95
3/4							42	44	52	55	95	100
3/6							44	47	55	58	99	104
3/8							46	49	58	60	104	109
3/10							49	51	60	63	109	114
4/0							51	53	63	66	113	119

COST COMPARISON

3/0x6/8x1 1/4" Interior Door With Soft Wood Edges	Natural Birch	Select Red or White Birch	African Mahogany	Sliced Lauan	Plain Sliced Red Oak	Plain Sliced White Oak	Rift Sliced White Oak	American Walnut	Natural Gum	Select White or Red Gum	Rotary Cut Red Oak	Rotary Cut Lauan
Solid Core	100%	108%	105%	100%	105%	105%	115%	115%		106%	102%	
Institutional Hollow Core	74%	83%	79%	74%	79%	79%	94%	94%	69%	81%	76%	69%
Standard Hollow Core	61%	72%	65%	61%	65%	76%	90%	90%	46%	58%	62%	46%
Fire Door	291%	302%	297%	291%	297%	297%	314%	314%	291%	297%	291%	291%
Lead Lined	755%	767%	762%	755%	762%	762%	779%	779%	755%	762%	755%	755%

SPECIAL DETAIL WORK

General Plywood Standard Mouldings For Light and Louvre Openings



ILLUSTRATED HERE ARE JUST A FEW OF THE LIGHT AND LOUVRE OPENINGS POSSIBLE

General core construction, both hollow and solid, permits the installation of an almost limitless variety of light and louvre openings and other detail work. This can be done either at the factory or in any local millwork plant.

Solid core doors can be cut without requiring additional blocking and protection against voids.

The General hollow core door can be cut into at any point without injuring or breaking more than one ring and thereby destroying the support for uncut faces.



GENERAL PLYWOOD CORPORATION

Louisville 1, Kentucky



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